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TITLE : PREPARATION OF LACTATE

ABSTRACT : PURPOSE: To separate lactic acid from an immersed solution, by subjecting the immersed solution which is produced as a by-product in preparation of starch by milling maize in a wet state to ultrafiltration, concentrating prepared filtrate to crystallize a lactate.

CONSTITUTION: In a wet milling method wherein maize is immersed in a dilute aqueous solution of sulfuric acid, the immersed solution contains lactic acid which is produced by homogenous lactic acid fermentation of eluted soluble saccharide with lactic acid bacteria. A base is added to the immersed solution, which is adjusted to 5~12 PH, flocculate and precipitate are removed from the solution, which is subjected to ultrafiltration. The prepared filtrate is concentrated to crystallize a lactate.

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